User the Paperwork Reduction Act of 1995	U.S. P	Approved for use through 07/31/2006. OMB 0651-00 Patent and Trademark Office; U.S. DEPARTMENT OF COMMER Lection of information unless it displays a valid OMB control numb
MARK.	Application Number	10/608,280
TRANSMITTAL	Filing Date	June 27, 2003
FORM	First Named Inventor	Zeira et al.
(to be used for all correspondence after initial	iling) Art Unit	2681
	Examiner Name	Not Yet Known
Total Number of Pages in This Submission	Attorney Docket Number	I-2-0277.1US
	ENCLOSURES (Check all	that apply)
Fee Transmittal Form	Drawing(s)	After Allowance communication to Technology Center (TC)  Appeal Communication to Board
Fee Attached  Amendment/Reply	Licensing-related Papers  Petition	of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
After Final	Petition to Convert to a Provisional Application	Proprietary Information
	Power of Attorney, Revocation	n
Affidavits/declaration(s)	Change of Correspondence A	Other Enclosure(s) (please
Extension of Time Request	Terminal Disclaimer	tdentify below):
Express Abandonment Request	Request for Refund	
Information Disclosure Statement	CD, Number of CD(s)	
Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53	Communication Re Favora International Application (2 Copy of IPER including ap	tificate of First Class Mailing; (1 pg.) able IPER by IPEA/US in Corresponding 2 pgs.); oproved claims (9 pgs.); and Opinion filed on June 14, 2004(12 pgs.).
SIGNA	TURE OF APPLICANT, ATTO	RNEY, OR AGENT
John C. Donch Jr.  Volpe and Koenig,	c.	Reg. No. 43,593
ignature		
ate August 25, 2004		
	ERTIFICATE OF TRANSMISS	ION/MAILING
·	ing facsimile transmitted to the USPTO	O or deposited with the United States Postal Service with Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on
ufficient postage as first class mail in an env		
nereby certify that this correspondence is be ufficient postage as first class mail in an envate shown below.  Typed or printed name  John C. Donc	Jr.	

amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### In the **PATENT APPLICATION** of:

Zeira et al.

**Application No.:** 10/608,280

Confirmation No.: 8517

**Filed:** June 27, 2003

For: METHOD AND SYSTEM FOR DETERMINING CORRECT ESCAPE MECHANISMS AND CONTROLLING INTERFERENCE IN THIRD GENERATION

WIRELESS SYSTEMS

Group: 2681

Examiner: Not Yet Known

Our File: I-2-0277.1US

Date: August 25, 2004

# COMMUNICATION RE FAVORABLE IPER BY IPEA/US IN CORRESPONDING INTERNATIONAL APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This communication is to advise the Examiner of the favorable International Preliminary Examination Report (IPER) issued by the United States Patent and Trademark Office acting as International Preliminary Examination Authority in a corresponding PCT application. A copy of the IPER is enclosed.

The original PCT claims correspond to the claims in this U.S. application. A copy of the approved claims is included in the IPER because the PCT claims were amended pursuant to a Reply to Written Opinion filed on June 14, 2004 to address

Applicant: Zeira et al. Application No.: 10/608,280

minor formalistic issues. For convenience, a copy of that Reply is also enclosed herewith.

In view of the fact that PCT claims 1-16 have all been found to meet the international standards of patentability, prompt examination and allowance are respectfully requested.

Respectfully submitted,

Zeira et al.

John C. Donch Jr.

Registration No. 43,593

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

JCD/dmr

Enclosures (2)

### PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

ANTHONY S. VOLPE VOLPE AND KOENIG, P.C. UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET

PHILADELPHIA, PA 19103

JÜL 23 2004

NOTIFICATION OF TRAN INTERNATIONAL PRELIMINARY **EXAMINATION REPORT** 

(PCT Rule 71.1)

Date of Mailing (day/month/year)

21 JUL 2004

Applicant's or agent's file reference

I-2-0277.1WO

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/US03/20475

Applicant

27 June 2003 (27.06.2003)

28 June 2002 (28.06.2002)

#### INTERDIGITAL TECHNOLOGY CORPORATION

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230 Form PCT/IPEA/416 (July 1992) Authorized officer

Dang Ton

Waldenia Johan Telephone No.

# PATENT COOPERATION TREATY

# **PCT**

JUE 2 3 2004

# INTERNATIONAL PRELIMINARY EXAMINATION REPORTVOLPE & KOENIG, P.C.

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference I-2-0277.1WO	FOR FURTHER ACTIO		ion of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/	nonth/year)	Priority date (day/month/year)
PCT/US03/20475	27 June 2003 (27.06.2003)		28 June 2002 (28.06.2002)
International Patent Classification (IPC)	or national classification and IF	С	·
IPC(7): H04J 1/16, 3/14; H04L 1/00, 12 342; 375/146, 147, 148, 152, 227; 45	2/26, 12/28 and US Cl.: 370/25	2, 276, 277, 278,	280, 281, 317, 318, 320, 321, 332, 333,
Applicant			
INTERDIGITAL TECHNOLOGY COR	PORATION		
1	nary examination report has is transmitted to the applican		this International Preliminary rticle 36.
2. This REPORT consists of	a total of 3 sheets, including	ng this cover she	et.
which have been ame	ended and are the basis for the (see Rule 70.16 and Section	nis report and/or	description, claims and/or drawings sheets containing rectifications made inistrative Instructions under the PCT).
This report contains indicate	ations relating to the following	ig items:	
I Basis of the rep	ort		
П Priority			
III Non-establishm	ent of report with regard to	novelty, inventiv	e step and industrial applicability
IV Lack of unity of	f invention		
V Reasoned staten	nent under Article 35(2) with	n regard to novel	ty, inventive step or industrial
applicability; ci	tations and explanations sup	porting such state	ement
VI Certain docume	ents cited		
VII Certain defects	in the international applicati	on	
VIII Certain observa	tions on the international ap	olication	
Date of submission of the demand	D	ate of completion	of this report
13 November 2003 (13.11.2003)	07	July 2004 (07.07.	2004)
Name and mailing address of the IPEA/U	JS At	thorized officer	
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	D	ang Ton	Duri LAMAN
P.O. Box 1450 Alexandria, Virginia 223 13-1450		lephone No. 703-	Rugeria Zolar
Facsimile No. (703)305-3230			/ / /

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US03/20475	

I.	Basis of the report
1.	With regard to the elements of the international application:*
	the international application as originally filed.
	the description:
	pages 1-13 as originally filed
	pages NONE, filed with the demand
	pages NONE , filed with the letter of
	the claims:
	pages NONE , as originally filed pages NONE , as amended (together with any statement) under Article 19
	pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand
	pages 14-18 , filed with the letter of 14 June 2004 (14.06.2004)
	the drawings:
	pages 1-5 , as originally filed
	pages NONE , filed with the demand
	pages NONE, filed with the letter of
	the sequence listing part of the description:
	pages NONE , as originally filed
	pages NONE , filed with the demand pages NONE , filed with the letter of
2	With regard to the language, all the elements marked above were available or furnished to this Authority in the
	language in which the international application was filed, unless otherwise indicated under this item.
	These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
٥.	international preliminary examination was carried out on the basis of the sequence listing:
	contained in the international application in printed form.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.	The amendments have resulted in the cancellation of:
	the description, pages NONE
	the claims, Nos. NONE
	the drawings, sheets/fig NONE
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go
٥.	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
this	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in response to an invitation under Article 14 are referred to in report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).  Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/20475

Novelty (N)	Claims	1-16	YE
Tiotody (1)		NONE	NO.
Inventive Step (IS)	Claims	1-16	YE
	Claims	NONE	NC
			V
Industrial Applicability (IA)	Claims		YE NO
	Claims	NONE	NC
ONE			
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Form PCT/IPEA/409 (Box V) (July 1998)



### CLAIMS

VOLPE & KOENIG, P.C.

What is claimed is:

1. A method for evaluating downlink interference in a transmission having one or more communicates in a plurality of time-slots, the method comprising:

measuring interference in at least two of said time slots;

computing the variance of said measured interference between said time slots if said measured interference in active slots is above a first predetermined value;

employing time division duplex escape mechanisms if the variance is not below a second predetermined value; and

employing a handover escape mechanism if the variance is below the second predetermined value.

- 2. The method of claim 1 wherein the measure of variance is computed based on downlink time slots.
- 3. The method of claim 1 wherein the measure of variance is computed based on downlink time slots and uplink time slots.
- 4. A method for evaluating uplink interference to determine a correct escape mechanism according to interference type, the method comprising:

arranging uplink transmission so that interference may be measured at all time slots;

measuring interference to obtain a sampling of interference in the uplink time slots;

computing a measure of variance between time slots if interference in active slots is above a first predetermined value;



employing time division duplex escape mechanisms if the variance is not below a second predetermined value; and

reducing cell load if the variance is below the second predetermined value.

- 5. The method of claim 4 wherein the measure of variance is computed based on uplink time slots.
- 6. The method of claim 4 wherein the measure of variance is computed based on uplink time slots and downlink time slots.
- 7. A method for determining an appropriate escape mechanism based on a type of interference encountered during a transmission, the method comprising:

receiving transmissions of a predetermined signal category;

arranging said transmissions to a predetermined group of slots, so that interference may be measured at all of said slots;

measuring interference at all of said slots;

time averaging the measured interference to create time averaged values, and transmitting the time averaged values to a radio network controller;

evaluating the time averaged interference measurements to determine whether interference with respect to a first predetermined value;

in the case of the interference measurements below the first predetermined value, accepting the transmissions;

in the case of the interference measurements above the first predetermined value, computing a measure of variance between slots and determining the variance with respect to a second predetermined value for the variance;



in the case of the interference variance below the second predetermined value for the variance, executing a handover as an escape mechanism;

in the case of the interference variance above the second predetermined value for the variance, executing a time division duplex (TDD) escape mechanism for discontinuous interference.

- 8. The method of claim 7, wherein the execution of the handover includes changing to a different carrier frequency.
- 9. The method of claim 7, wherein the execution of the handover includes changing to a different access mode.
- 10. The method of claim 7 comprising making the determination of the appropriate escape mechanism for an uplink transmission.
- 11. The method of claim 7 comprising making the determination of the appropriate escape mechanism for a downlink transmission.
- 12. The method of claim 7 comprising making the effecting the appropriate escape mechanism in accordance with the measured interference includes uplink interference or downlink interference.
  - 13. The method of claim 7 further comprising:

determining if a frequency division duplex (FDD) carrier band from a FDD WTRU exists in a time division duplex (TDD) area and thereby causing said interference;

determining a location of the FDD wireless transmit and receive unit (WTRU);



communicating the location to a radio controller able to provide control of said FDD WTRU;

enabling a handover action for said FDD WTRU carrier band, thereby reducing interference caused by communications of the FDD WTRU.

14. A method for controlling interference in coexisting frequency division duplex (FDD) and time division duplex (TDD) systems where a TDD user is experiencing interference, the method comprising:

handing over wireless transmit and receive units (WTRUs) located in an area with TDD and FDD service and operating in a carrier band that is adjacent to a TDD carrier band from the adjacent carrier band to a carrier band that is alternate to the TDD carrier; and

handing over WTRUs located in an area with FDD service and operating in the alternate carrier band from the alternate carrier band to the adjacent carrier band.

15. A wireless transmit and receive unit (WTRU) capable of providing an escape mechanism according to interference type, the WTRU comprising:

an uplink transmitter;

a circuit for measuring interference in a plurality of uplink time slots;

a circuit for transmitting the measured interference to a radio network controller through the uplink transmitter, wherein the radio network controller can compute a measure of variance between the time slots if interference in active time slots exceeds a first predetermined value; and

a circuit for employing time division duplex escape mechanisms if the variance is above a second predetermined value and employing a handover escape mechanism if the variance is below the second predetermined value.



- 16. A wireless communications network in which a plurality of wireless transmit and receive units (WTRUs) communicate with a plurality of base stations, and the WTRUs utilize an escape mechanism according to interference type, the network comprising:
  - a circuit for scheduling transmission so that interference may be measured at all of a predetermined group of time slots;
  - a circuit for providing measured interference to a radio network controller and computing a measure of variance between the time slots if interference in active time slots is above a first predetermined value; and

a circuit for employing time division duplex escape mechanisms in the case of the variance above a second predetermined value, and employing a handover escape mechanism in the case of the variance below the second predetermined value.

### Express Mail Label No.: EV 396082996 US

# IN THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY UNITED STATES PATENT AND TRADEMARK OFFICE

### In the PCT APPLICATION of:

InterDigital Technology Corporation

Application No.: PCT/US03/20475

Filed:

27 June 2003

For: METHOD AND SYSTEM FOR

DETERMINING CORRECT ESCAPE MECHANISMS AND

CONTROLLING INTERFERENCE

IN THIRD GENERATION WIRELESS SYSTEMS

Authorized Officer: Dang Ton

File: I-2-0277.1WO

Date: 14 June 2004

12 PAGES VIA FACSIMILE

TO 703-305-3230

ORIGINAL TO FOLLOW

**VIA EXPRESS MAIL** 

# REPLY TO WRITTEN OPINION WITH ARTICLE 34 AMENDMENT

IPEA-US
Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Reply is responsive to the Written Opinion dated 14 April 2004.

Applicant: InterDigital Technology Corporation

**Application No.:** PCT/US03/20475

REMARKS

Claims 1-16 are pending in this application. New substitute sheets 14-18 for

claims are submitted herewith for original sheets 14-18. An annotated version of the

new substitute sheets 14-18 are also submitted herewith. The Applicant notes with

appreciation the Examiner's positive determination of claims 1-16 with respect to

novelty, inventive step, and industrial applicability.

In the Written Opinion, the Examiner made several minor objections based on

formalities under PCT Rule 66.2(a)(iii) with respect to claims 1-13 and 15-16.

Accordingly, the Applicant has amended claims 1, 4, 7, 15, and 16 to correct lack

of antecedent basis and to define the scope of the claims more particularly. The

Applicant has also amended claims 7, 13, and 14 spelling out the acronyms TDD, FDD,

and WTRU.

For the reasons stated above, it is respectfully submitted that the pending

claims are allowable.

Respectfully submitted,

InterDigital Technology-Corporation

John C. Donch

Telephone: 215-568-6400

Facsimile: 215-568-6499

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

JCD/dmr

-2-

#### ANNOTATED CLAIMS

What is claimed is:

1. A method for evaluating downlink interference in a transmission having one or more communicates in a plurality of time-slots, the method comprising:

measuring interference in at least two of said time slots;

computing the variance of said measured interference between said time slots if said measured interference in active slots is above a <u>first</u> predetermined value;

employing time division duplex escape mechanisms if the variance is not below a <u>second</u> predetermined value; and

employing a handover escape mechanism if the variance is below a <u>the</u> second predetermined value.

- 2. The method of claim 1 wherein the measure of variance is computed based on downlink time slots.
- 3. The method of claim 1 wherein the measure of variance is computed based on downlink time slots and uplink time slots.
- 4. A method for evaluating uplink interference to determine a correct escape mechanism according to interference type, the method comprising:

arranging uplink transmission so that interference may be measured at all time slots;

measuring interference to obtain a sampling of interference in the uplink time slots;

computing a measure of variance between time slots if interference in active slots is above a <u>first</u> predetermined value;

employing time division duplex escape mechanisms if the variance is not below a <u>second</u> predetermined value; and

reducing cell load if the variance is below a the second predetermined value.

- 5. The method of claim 4 wherein the measure of variance is computed based on uplink time slots.
- 6. The method of claim 4 wherein the measure of variance is computed based on uplink time slots and downlink time slots.
- 7. A method for determining an appropriate escape mechanism based on a type of interference encountered during a transmission, the method comprising:

receiving transmissions of a predetermined signal category;

arranging said transmissions to a predetermined group of slots, so that interference may be measured at all of said slots;

measuring interference at all of said slots;

time averaging the measured interference to create time averaged values, and transmitting the time averaged values to a radio network controller;

evaluating the time averaged interference measurements to determine whether interference with respect to a <u>first</u> predetermined value;

in the case of the interference measurements below the <u>first</u> predetermined value, accepting the transmissions;

in the case of the interference measurements above the <u>first</u> predetermined value, computing a measure of variance between slots and determining the variance with respect to a <u>second</u> predetermined value for the variance;

in the case of the interference variance below the <u>second</u> predetermined value for the variance, executing a handover as an escape mechanism;

in the case of the interference variance above the <u>second</u> predetermined value for the variance, executing a <u>time division duplex (TDD)</u> escape mechanism for discontinuous interference.

- 8. The method of claim 7, wherein the execution of the handover includes changing to a different carrier frequency.
- 9. The method of claim 7, wherein the execution of the handover includes changing to a different access mode.
- 10. The method of claim 7 comprising making the determination of the appropriate escape mechanism for an uplink transmission.
- 11. The method of claim 7 comprising making the determination of the appropriate escape mechanism for a downlink transmission.
- 12. The method of claim 7 comprising making the effecting the appropriate escape mechanism in accordance with the measured interference includes uplink interference or downlink interference.
  - 13. The method of claim 7 further comprising:

determining if an <u>frequency division duplex (FDD)</u> carrier band from a FDD WTRU exists in a <u>time division duplex (TDD)</u> area and thereby causing said interference;

determining a location of the FDD wireless transmit and receive unit (WTRU);

communicating the location to a radio controller able to provide control of said FDD WTRU;

enabling a handover action for said FDD WTRU carrier band, thereby reducing interference caused by communications of the FDD WTRU.

14. A method for controlling interference in coexisting <u>frequency division</u> <u>duplex (FDD)</u> and <u>time division duplex (TDD)</u> systems where a TDD user is experiencing interference, the method comprising:

handing over <u>wireless transmit and receive units (WTRUs)</u> located in an area with TDD and FDD service and operating in a carrier band that is adjacent to a TDD carrier band from the adjacent carrier band to a carrier band that is alternate to the TDD carrier; and

handing over WTRUs located in an area with FDD service and operating in the alternate carrier band from the alternate carrier band to the adjacent carrier band.

15. A wireless transmit and receive unit (WTRU) capable of providing an escape mechanism according to interference type, the WTRU comprising:

an uplink transmitter;

a circuit for measuring interference in a plurality of uplink time slots;

a circuit for transmitting the measured interference to a radio network controller through the uplink transmitter, wherein the radio network controller can compute a measure of variance between the time slots if interference in active time slots exceeds a <u>first</u> predetermined value; and

a circuit for employing time division duplex escape mechanisms if the variance is above the <u>a second</u> predetermined value and employing a handover escape mechanism if the variance is below the <u>second</u> predetermined value.

- 16. A wireless communications network in which a plurality of wireless transmit and receive units (WTRUs) communicate with a plurality of base stations, and the WTRUs utilize an escape mechanism according to interference type, the network comprising:
  - a circuit for scheduling transmission so that interference may be measured at all of a predetermined group of time slots;
  - a circuit for providing measured interference to a radio network controller and computing a measure of variance between the time slots if interference in active time slots is above a <u>first</u> predetermined value; and
  - a circuit for employing time division duplex escape mechanisms in the case of the variance above a <u>second</u> predetermined value, and employing a handover escape mechanism in the case of the variance below a <u>the second</u> predetermined value.

#### **CLAIMS**

What is claimed is:

1. A method for evaluating downlink interference in a transmission having one or more communicates in a plurality of time-slots, the method comprising:

measuring interference in at least two of said time slots;

computing the variance of said measured interference between said time slots if said measured interference in active slots is above a first predetermined value;

employing time division duplex escape mechanisms if the variance is not below a second predetermined value; and

employing a handover escape mechanism if the variance is below the second predetermined value.

- 2. The method of claim 1 wherein the measure of variance is computed based on downlink time slots.
- 3. The method of claim 1 wherein the measure of variance is computed based on downlink time slots and uplink time slots.
- 4. A method for evaluating uplink interference to determine a correct escape mechanism according to interference type, the method comprising:

arranging uplink transmission so that interference may be measured at all time slots;

measuring interference to obtain a sampling of interference in the uplink time slots;

computing a measure of variance between time slots if interference in active slots is above a first predetermined value;

employing time division duplex escape mechanisms if the variance is not below a second predetermined value; and

reducing cell load if the variance is below the second predetermined value.

- 5. The method of claim 4 wherein the measure of variance is computed based on uplink time slots.
- 6. The method of claim 4 wherein the measure of variance is computed based on uplink time slots and downlink time slots.
- 7. A method for determining an appropriate escape mechanism based on a type of interference encountered during a transmission, the method comprising:

receiving transmissions of a predetermined signal category;

arranging said transmissions to a predetermined group of slots, so that interference may be measured at all of said slots;

measuring interference at all of said slots;

time averaging the measured interference to create time averaged values, and transmitting the time averaged values to a radio network controller;

evaluating the time averaged interference measurements to determine whether interference with respect to a first predetermined value;

in the case of the interference measurements below the first predetermined value, accepting the transmissions;

in the case of the interference measurements above the first predetermined value, computing a measure of variance between slots and determining the variance with respect to a second predetermined value for the variance; in the case of the interference variance below the second predetermined value for the variance, executing a handover as an escape mechanism;

in the case of the interference variance above the second predetermined value for the variance, executing a time division duplex (TDD) escape mechanism for discontinuous interference.

- 8. The method of claim 7, wherein the execution of the handover includes changing to a different carrier frequency.
- 9. The method of claim 7, wherein the execution of the handover includes changing to a different access mode.
- 10. The method of claim 7 comprising making the determination of the appropriate escape mechanism for an uplink transmission.
- 11. The method of claim 7 comprising making the determination of the appropriate escape mechanism for a downlink transmission.
- 12. The method of claim 7 comprising making the effecting the appropriate escape mechanism in accordance with the measured interference includes uplink interference or downlink interference.
  - 13. The method of claim 7 further comprising:

determining if a frequency division duplex (FDD) carrier band from a FDD WTRU exists in a time division duplex (TDD) area and thereby causing said interference;

determining a location of the FDD wireless transmit and receive unit (WTRU);

communicating the location to a radio controller able to provide control of said FDD WTRU;

enabling a handover action for said FDD WTRU carrier band, thereby reducing interference caused by communications of the FDD WTRU.

14. A method for controlling interference in coexisting frequency division duplex (FDD) and time division duplex (TDD) systems where a TDD user is experiencing interference, the method comprising:

handing over wireless transmit and receive units (WTRUs) located in an area with TDD and FDD service and operating in a carrier band that is adjacent to a TDD carrier band from the adjacent carrier band to a carrier band that is alternate to the TDD carrier; and

handing over WTRUs located in an area with FDD service and operating in the alternate carrier band from the alternate carrier band to the adjacent carrier band.

15. A wireless transmit and receive unit (WTRU) capable of providing an escape mechanism according to interference type, the WTRU comprising:

an uplink transmitter;

a circuit for measuring interference in a plurality of uplink time slots;

a circuit for transmitting the measured interference to a radio network controller through the uplink transmitter, wherein the radio network controller can compute a measure of variance between the time slots if interference in active time slots exceeds a first predetermined value; and

a circuit for employing time division duplex escape mechanisms if the variance is above a second predetermined value and employing a handover escape mechanism if the variance is below the second predetermined value.

- 16. A wireless communications network in which a plurality of wireless transmit and receive units (WTRUs) communicate with a plurality of base stations, and the WTRUs utilize an escape mechanism according to interference type, the network comprising:
  - a circuit for scheduling transmission so that interference may be measured at all of a predetermined group of time slots;
  - a circuit for providing measured interference to a radio network controller and computing a measure of variance between the time slots if interference in active time slots is above a first predetermined value; and
  - a circuit for employing time division duplex escape mechanisms in the case of the variance above a second predetermined value, and employing a handover escape mechanism in the case of the variance below the second predetermined value.